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LISTS OF PUBLICATIONS AND PATENTS
OF
BUREAU OF AGRICULTURAL AND INDUSTRIAL CHEMISTRY
AGRICULTURAL RESEARCH ADMINISTRATION
U. S. DEPARTMENT OF AGRICULTURE

Issued during fiscal year ended June 30, 1947

Further information on the publications listed herein may be obtained by writing to the Division or Laboratory concerned.

RESEARCH PUBLICATIONS
(Classified according to subappropriation items.)

Agricultural Chemical Investigations 1/

Agricultural Chemical Research Division. (2100 Robert E. Lee Blvd., New Orleans 19, Louisiana.)

The determination of crude lipid in citrus juices. By L. J. Swift. Assoc. Off. Agr. Chem. Jour. 29(4): 389-395. 1946.

Off-flavor development in processed tangerine juice. By A. L. Curl. Fruit Prod. Jour. and Amer. Food Mfr. 25(12): 356-357. 1946.

Concentrated orange juice storage studies with particular reference to the development of swells. By A. Laurence Curl, Edwin L. Moore, Eunice Wiederhold, and M. K. Veldhuis. Fruit Prod. Jour. and Amer. Food Mfr. 26(4): 101-109, 121. 1946. (With Fla. Citrus Commission.)

Study of bacteria from citrus processing operations in relation to orange juice quality. By Dorothea J. Teunisson and H. H. Hall. Fruit Prod. Jour. and Amer. Food Mfr. 26(7): 199-203. 1947.

New agricultural products used in candy. By H. H. Hall, F. J. Fahs, and Louise H. Charbonnet. Food Indus. 18(7): 1008-1010, 1172. 1946. (With Natl. Confectioners' Assoc.)

Isolated Proteins in candy making. By H. H. Hall and Fred J. Fahs. Mfg. Confectioner 26(11): 27, 28, 77. 1946. (With Natl. Confectioners' Assoc.)

1/ Publications of the Enzyme and Phytochemical Research Division and Biologically Active Chemical Compounds Division are listed under "Special Research in Agriculture," although the work is supported in part by the subappropriation for Agricultural Chemical Investigations and in part by the Special Research Fund.

- Modified pectins make possible new type candies. By H. H. Hall and Fred J. Fahs. *The Confectioner* 31(6): 10, 11, 37. Oct. 1946. (With Natl. Confectioners' Assoc.)
- A study of yeast growth-promoting substances in white sugar. By Harlow H. Hall, H. S. Paine, and F. W. Fabian. *Food Res.* 12(2): 99-110. 1947. (With Mich. Agr. Expt. Sta.)
- Report of studies of uniformity of quality of beet sugars. I. Chemical and physical studies on beet sugars of the 1945 campaign. By C. A. Fort and S. Byall; II. Biological studies of beet sugars. By H. H. Hall and Dorothea J. Teunisson. AIC-123. (Processed) 1946.
- Crystallization of sorgo juices purified by ion exchange. By Emil K. Ventre, S. Byall, and R. J. Furse. *La. State Univ. Engin. Expt. Sta. News* 3(1). Jan. 1947.
- Variable mineral composition of blackstrap molasses. By Charles A. Fort. *Sugar* 41(11): 36-37. 1946.
- The production of itaconic acid from the crude aconitate obtained from sugarcane molasses. Pilot-plant studies conducted Jan. to June 1946. By J. A. Ambler, E. J. Roberts, and F. W. Weissborn, Jr. AIC-132. (Processed) 1946.
- Quantitative method for aconitic acid and aconitates. By E. J. Roberts and J. A. Ambler. *Analyt. Chem.* 21(2): 118-120. 1947.
- Characteristics of lactic acid bacteria from commercial cucumber fermentations. By John L. Etchells and Ivan D. Jones. *Jour. Bact.* 52(6): 593-599. 1946. (With N. C. Agr. Expt. Sta.)
- Effect of shell content and storage on expelling of tung nuts. By R. L. Holmes and Frank C. Pack. *Oil and Soap* 23(10): 314-316. 1946.
- The purchase of tung fruit on the basis of dry kernel content. By R. L. Holmes and F. C. Pack. *Amer. Tung Oil Assoc. Proc. (13th Annual Convention.)* Pages 24-27. (Processed) 1947.
- The time required for the gelation of tung oil at different temperatures. By F. C. Pack and R. L. Holmes. *Amer. Tung Oil Assoc. Proc. (13th Annual Convention.)* Pages 21-23. (Processed) 1947.
- The preparation of tung oil--phenolic resin varnishes. By R. S. McKinney and Nellie J. Morris. *Amer. Tung Oil Assoc. Proc. (13th Annual Convention.)* Pages 18-20. (Processed) 1947.
- The spectrophotometric determination of the alpha and beta isomers of eleostearic acid in tung oil. By Robert T. O'Connor, Dorothy C. Heinzelman, R. S. McKinney, and F. C. Pack. *Amer. Oil Chem. Soc. Jour.* 24(6): 212-216. 1947. (With South. Reg. Res. Lab.)

Composition and apparent digestibility of the carbohydrate and other constituents of pea and lima-bean vines when fed to sheep. By Max Phillips, C. O. Miller, and R. E. Davis. Jour. Agr. Res. 73(5): 177-187. 1946. (With Bur. Animal Indus.)

The quantitative estimation of hemicelluloses by direct isolation. By H. D. Weihe and Max Phillips. Jour. Agr. Res. 74(3): 77-85. 1947.

Fruit and Vegetable Chemistry Laboratory. (148 South Mission Road, Los Angeles 33, California.)

Rapid dissolved oxygen test for fresh citrus juices. By J. Raymond Lindquist. Food Indus. 19(2): 182-183, 288, 290, 292. 1947.

Fruit and Vegetable Products Laboratory. (Washington State College, Box 8, Pullman, Washington.)

Factors influencing color of canned freestone peaches. By A. M. Neubert and G. H. Carter. West. Canner and Packer 38(11): 56-59. Oct. 1946.

Using froth flotation to clean vined canning peas. By A. M. Neubert. Food Indus. 19(6): 769-772, 890, 892. 1947. (With Wash. Agr. Expt. Sta.)

Pharmacology Laboratory. (800 Buchanan Street, Albany 6, California.)

Toxicity studies on rutin. By Robert H. Wilson, T. G. Mortarotti, and E. K. Duxtader. Soc. Expt. Biol. and Med. Proc. 64(3): 324-327. 1947.

Some pharmacological properties of rutin. By Robert H. Wilson, Talbot G. Mortarotti, and Floyd DeEds. Jour. Pharmacol. and Expt. Ther. 90(2): 120-127. 1947.

Some toxicological and pharmacological properties of citrinin. By Anthony M. Ambrose and Floyd DeEds. Jour. Pharmacol. and Expt. Ther. 88(2): 173-186. 1946.

Some comparative observations on levo-nicotine and myosmine. By Anthony M. Ambrose and Floyd DeEds. Soc. Expt. Biol. and Med. 63(2): 423-424. 1946.

The biological availability of levo-ascorbyl palmitate. By Anthony M. Ambrose and Floyd DeEds. Arch. Biochem. 12(3): 375-379. 1947.

Experimental studies on the use of starch as surgical dusting powder. (Abstract.) By Shannon C. Allen and Floyd DeEds. Fed. Socs. Expt. Biol. Proc. 6 (Part II, No. 1): 305-306. 1947.

Microbiology Research Division. (Chestnut Hill Station, Philadelphia 18, Pennsylvania.)

An investigation of a source and mode of entry of Salmonella organisms in spray-dried whole egg powder. By Mathilde Solowey, E. H. Spaulding, and Harry E. Goresline. Food Res. 11(5): 380-390. 1946. (With Temple Univ. School of Med.)

Paracolon organisms in spray-dried whole egg powder. By Mathilde Solowey. Jour. Bact. 53(5): 667. 1947.

Special Research in Agriculture

(Under Bankhead-Jones Act of June 29, 1935)

Enzyme and Phytochemical Research Division. (800 Buchanan Street, Albany 6, California.)

Sources of beta-amylase as supplements to barley malt in saccharification and fermentation. By Sigmund Schwimmer. Cereal Chem. 24(1): 70-78. 1947.

Development and solubility of amylase in wheat kernels throughout growth and ripening. By Sigmund Schwimmer. Cereal Chem. 24(3): 167-179. 1947.

Citrus fruit phosphatase. By Bernard Axelrod. Jour. Biol. Chem. 167(1): 57-72. 1947.

Phosphatase activity as an index of pastuerization in citrus juice. By Bernard Axelrod. Fruit Prod. Jour. and Amer. Food Mfr. 26(5): 132-133. 1947.

Synthesis of cephalin. By W. Gordon Rose. Amer. Chem. Soc. Jour. 69(6): 1384-1387. 1947.

Complex nature of soybean lipoxidase. (Abstract.) By Marian W. Kies. Fed. Amer. Socs. Expt. Biol. Proc. 6 (Part II, No. 1): 267. 1947.

A new enzymatic phosphate transfer. (Abstract.) By B. Axelrod. Fed. Amer. Socs. Expt. Biol. Proc. 6 (Part II, No. 1): 235-236. 1947.

Allergen Research Division. (South Building, U. S. Department of Agriculture, Washington 25, D. C.)

Allergenic and anaphylactogenic properties of vaccines prepared from embryonic tissues of developing chicks. II. Anaphylactogenic properties of typhus--fever vaccines and equine encephalomyelitic vaccines. By E. J. Coulson and Henry Stevens. Jour. Immunol. 53(4): 321-342. 1946.

Biologically Active Chemical Compounds Division. (Room 109 North Building,
Agricultural Research Center, Beltsville, Maryland.)

Partial antibiotic spectrum of tomatin, an antibiotic agent from the tomato plant. By George W. Irving, Jr., Thomas D. Fontaine, and S. P. Doolittle. Jour. Bact. 52(5): 601-607. 1946. (With Bur. Plant Indus., Soils and Agr. Engin.)

Partial purification and properties of tomatin, an antibiotic agent from the tomato plant. By Thomas D. Fontaine, George W. Irving, Jr., and S. P. Doolittle. AIC-138. (Processed.) 1947. Arch. Biochem. 12(3): 395-404. 1947. (With Bur. Plant Indus., Soils and Agr. Engin.)

Translocation of a radioactive plant-growth regulator in bean and barley plants. By John W. Wood, J. W. Mitchell, and George W. Irving, Jr. Science. 105(2726): 337-339. 1947. (With Bur. Plant Indus., Soils, and Agr. Engin.)

Naval Stores Investigations

Naval Stores Research Division. (2100 Robert E. Lee Blvd., New Orleans 19,
Louisiana.)

Inhibition of myrcene. Polymerization during storage. By W. J. Runckel and L. A. Goldblatt. Indus. and Engin. Chem. 38(7): 749-751. 1946.

Synthesis of monoacid chloride and the monoalkyl esters of the maleic acid anhydride addition product of levo-pimaric acid. By Morris M. Graff. Amer. Chem. Soc. Jour. 68(10): 1937-1938. 1946.

Effect of uniform versus intermittent product withdrawal from distillation columns. By D. M. Oldroyd and L. A. Goldblatt. Indus. and Engin. Chem., Analyt. Ed. 18(12): 761-763. 1946.

Emergency Rubber Project

(Work done prior to July 1, 1946.)

Evaluation of blends of guayule and GR-S rubbers. By Frederick E. Clark and Wilfred F. L. Place. Indus. and Engin. Chem. 38(10): 1026-1033. 1946.

High-pressure process for guayule separation. By James M. Cumming and Ralph L. Chubb. Chem. and Metall. Engin. 63(9): 125-127. 1946.

The evaluation of guayule rubbers. Development of testing formulae. By Wilfred F. L. Place and Frederick E. Clark. India Rubber World. 115(3): 370-373. 1946.

Determination of rubber hydrocarbon by a gravimetric rubber bromide method.
By C. O. Willits, M. L. Swain, and C. L. Ogg. Indus. and Engin. Chem.,
Analyt. Ed. 18(7): 439-442. 1946.

Determination of rubber in fleshy and woody tissue plants. By C. O. Willits,
C. L. Ogg, W. I. Porter, and M. L. Swain. Assoc. Off. Agr. Chem. Jour.
29(4): 370-387. 1946.

Regional Research Laboratories

Northern Regional Research Laboratory. (825 North University Street, Peoria
5, Illinois.)

Agricultural residue pulps. Comparison with typical wood pulps. By S. I.
Aronovsky, Allen Rhodes, and E. C. Lathrop. Paper Trade Jour. 124(13):
49-55. 1947. Paper Mill News 70(27): 12, 14, 16, 18; (28): 16-18. 1947.

The possible use of oats and other small grains for starch production.
By M. M. MacMasters, R. L. Slotter, and C. M. Jaeger. Amer. Miller and
Processor 1(1): 82-83. 1947.

Composition of hybrid corn tassels. By J. M. Van Lanen, F. W. Tanner, Jr.,
and Shirley E. Pfeiffer. Cereal Chem. 23(4): 428-432. 1946.

Composition of the component parts of the corn kernel. By F. R. Earle, J. J.
Curtis, and J. E. Hubbard. Cereal Chem. 23(5): 504-511. 1946.

Micromanipulative studies on gelatinized starch granules. By M. J. Cox and
M. M. MacMasters. Plant Physiol. 21(4): 459-466. 1946.

A new anhydride of dextro-glucose: dextro-glucosan 1,4 beta 1,6. By
R. J. Dimler, H. A. Davis, and G. E. Hilbert. Amer. Chem. Soc. Jour.
68(7): 1377-1380. 1946.

The absorption of niacin by yeast. By J. M. Van Lanen. Arch. Biochem.
12(1): 101-111. 1947.

A critical evaluation of the nitrogen assimilation tests commonly used in
the classification of yeasts. By Lynferd J. Wickerham. Jour. Bact.
52(3): 293-301. 1946.

A modification of Henrici's vegetable-juice sporulation medium for yeasts.
By Lynferd J. Wickerham, May H. Flinkinger, and Kermit A. Burton. Jour.
Bact. 52(5): 611. 1946.

- The oxidation of pentoses by Pseudomonas. By Lewis B. Lockwood and George E. N. Nelson. Jour. Bact. 52(5): 581-586. 1946.
- Preliminary studies on the production of alpha-ketoglutaric acid by Pseudomonas fluorencene. By B. Lockwood and Frank H. Stodola. Jour. Biol. Chem. 164(1): 81-83. 1946.
- Some factors affecting the production of itaconic acid by Aspergillus terreus in agitated cultures. By Lewis B. Lockwood and George E. N. Nelson. Arch. Biochem. 10(3): 365-374. 1946.
- A note on meso-erythritol, a metabolic product of Aspergillus terreus. By Frank H. Stodola. Jour. Biol. Chem. 166(1): 79. 1946.
- Penicillin. X. The effect of phenylactic acid on penicillin production. By Andrew J. Moyer and Robert D. Coghill. Jour. Bact. 53(3): 329-339. 1947.
- The preparation of acetopropyl alcohol and 1,4-pentanediol from methylfuran. By L. E. Schniepp, H. H. Geller, and R. W. Von Korff. Amer. Chem. Soc. Jour. 69(3): 672-674. 1947.
- Preparations of dihydropyran, delta-hydroxyvaleraldehyde, and 1,5-pentanediol from tetrahydrofurfuryl alcohol. By L. E. Schniepp and H. H. Geller. Amer. Chem. Soc. Jour. 68(8): 1646-1648. 1946.
- Dehydrogenation of 1,5-pentanediol. By L. E. Schniepp and H. H. Geller. Amer. Chem. Soc. Jour. 69(6): 1545. 1947.
- Polymerization of drying oils. Rubberlike product from vegetable oils, Norepol. By J. C. Cowan, W. C. Ault, and H. M. Teeter. Indus. and Engin. Chem. 38(11): 1138-1144. 1946.
- Catalytic isomerization of vegetable oils. By S. B. Radlove, H. M. Teeter, and J. C. Cowan. Off. Digest, Fed. Paint and Varnish Prod. Clubs No. 265, pp. 74-84. Feb. 1947.
- Catalytic isomerization of vegetable oils. Nickel catalysts. By S. B. Radlove, H. M. Teeter, W. H. Bond, J. C. Cowan, and J. P. Kass. Indus. and Engin. Chem. 38(10): 997-1002. 1946.
- Catalytic isomerization of vegetable oils. Evaluation of oils in bodying, varnishes and alkyd resins. By L. B. Falkenburg, A. W. Schwab, J. C. Cowan, and H. M. Teeter, Indus. and Engin. Chem. 38(10): 1002-1009. 1946.
- Reactions of conjugated fat acids. I. Addition of crotonic acid derivatives. By Howard M. Teeter, Charles R. Scholfield, and John C. Cowan. Oil and Soap 23(7): 216-219. 1946.

C-18 alcohol esters of orthosilicic acid. By L. B. Falkenburg, H. M. Teeter, and J. C. Cowan. Amer. Chem. Soc. Jour. 69(3): 486-487. 1947.

Soybean protein production. Effects of temperature and water-flake ratio. By A. C. Beckel, P. A. Belter, and A. K. Smith. Indus. and Engin. Chem. 38(7): 731-734. 1946.

Extending phenolic resin plywood glues with proteinaceous materials. By Glen E. Babcock and Allen K. Smith. Indus. and Engin. Chem. 39(1): 85-88. 1947.

Extending resorcinol resin glue with corn gluten. By Glen E. Babcock and A. K. Smith. Mod. Plastics 24(8):153, 250, 252, 254, 256. 1947.

The reaction of formaldehyde with proteins. IV. Participation of indole groups. Gramicidin. By Heinz Fraenkel-Conrat, Beatrice A. Brandon, and Harold S. Olcott. Jour. Biol. Chem. 168(1): 99-116. 1947. Abstract under title "Chemical characterization and crystallization of formaldehyde derivatives of gramicidin" published previously in Fed. Amer. Socs. Expt. Biol. Proc. 5(1): 134. 1946.

Octane ratings of agricultural motor fuel. By C. F. Elder, F. R. Truby, Richard Wiebe. Indus. and Engin. Chem. 39(4): 508-510. 1947.

Refractive index of ethanol-water mixtures and density and refractive index of ethanol-water-ethyl ether mixtures. By Troy A. Scott, Jr. Jour. Phys. Chem. 50(5): 406-412. 1946.

Precise low-pressure measurements with a thermocouple gage. By William G. Smiley. Indus. and Engin. Chem., Analyt. Ed. 18(12): 800-801. 1946.

Southern Regional Research Laboratory. (2100 Robert E. Lee Boulevard, New Orleans 19, Louisiana.)

Photomicrographic comparison of milkweed bast and cotton lint in relation to cell-wall structure of other natural cellulose fibers. By Mary L. Rollins. Bot. Gaz. 108(4): 495-510. 1947.

Cellulose behavior with filtered light from a carbon arc source. By K. S. Campbell and P. J. Fynn. Textile Res. Jour. 16(9): 450-458. 1946.

The possible contribution of shape to the swelling of moisture-sorption behavior of cotton fiber at the saturation point. By E. L. Skau. Textile Res. Jour. 16(11): 556-563. 1946.

The alcoholysis of cellulose. By Richard E. Reeves, Wilhelmina M. Schwartz, and Joel E. Giddens. Amer. Chem. Soc. Jour. 68(7): 1383-1385. 1946.

Study of chemical degradation of cellulose in cotton tire cords as a result of road service and wheel testing carried to failure. By Carl M. Conrad, W. James Lyons, and Verne W. Tripp. Textile Res. Jour. 16(7): 324-328. 1946.

Moisture transfer to and from tire cords encased in GR-S rubber. By W. James Lyons, H. M. Ziifle, Mary L. Nelson, and Trinidad Mares. AIC-163. (Processed.) 1947; India Rubber World 116(2): 199-204, 207. 1947.

Hysteresis and related elastic properties of tire cords. By Helmut Wakeham and Edith Honold. Jour. Appl. Phys. 17(8): 698-711. 1946.

Stress relaxation of cotton and rayon cords at constant length. By Edward G. Burleigh, Jr. and Helmut Wakeham. Textile Res. Jour. 17(5): 245-255. 1947; AIC-172. (Processed.) 1947.

The endurance of cotton tire cords and fibers under static tensioning. By Enoch Karrer, James N. Grant, and Rollin S. Orr. Textile Res. Jour. 17(6): 314-322. 1947.

Effect of skein length on yarn number and strength determination of cotton yarns. By Walter S. Lewis. Textile Res. Jour. 16(11): 576-580. 1946.

Service test of copper-treated cotton sandbags. By J. D. Dean, W. B. Strickland, and W. N. Berard. Amer. Dyestuff Rptr. 35(14): 346-348. 1946.

Solvent extraction of cotton wax. By James H. Kettering, Charles F. Goldthwait, and Rita M. Kraemer. Textile Res. Jour. 16(12): 627-634. 1946.

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The pigments of cottonseed. II. Gossycaerulin, a blue quinonoid gossypol derivative occurring in cooked cottonseed. By Charlotte H. Boatner, Carolyn S. Samuels, Catherine M. Hall, and Maizie C. Curet. Amer. Chem. Soc. Jour. 69(3): 668-672. 1947.

The pigments of cottonseed. III. Gossyfulvin, a native cottonseed pigment related to gossypol. By Charlotte H. Boatner, Robert T. O'Connor, Maizie C. Curet, and Carolyn S. Samuels. Amer. Chem. Soc. Jour. 69(6): 1268-1273. 1947.

Processing of cottonseed. I. Pigment distribution in oils and meals produced by hydraulic and screw-press methods. By Charlotte H. Boatner, Catherine M. Hall, Robert T. O'Connor, Leah E. Castillon, and Maizie C. Curet. AIC-154. (Processed.) 1947; Amer. Oil Chem. Soc. Jour. 24(4): 97-106. 1947.

- Determination of moisture in cottonseed and cottonseed products. By Carroll L. Hoffpauir and Dorothy H. Petty. Oil and Soap 23(9): 285-288. 1946.
- Hydroscopic equilibrium of cottonseed. By Melvin L. Karon. Amer. Oil Chem. Soc. Jour. 24(2): 56-58. 1947.
- The respiration of cottonseed. By M. L. Karon and A. M. Altschul. Plant Physiol. 21(4): 506-521. 1946.
- An apparatus and method for the measurement of the respiration of cottonseed. By A. M. Altschul, M. L. Karon, and P. J. Fynn. Plant Physiol. 21(4): 410-415. 1946.
- Effect of inhibitors on the respiration and storage of cottonseed. By A. M. Altschul, M. L. Karon, Lillian Kyame, and C. M. Hall. Plant Physiol. 21(4): 573-587. 1946.
- Comparison of respiration, free fatty acid formation, and changes in the spectrum of the seed oil during the storage of cottonseed. By Lillian Kyame and A. M. Altschul. Plant Physiol. 21(4): 550-561. 1946.
- Bromine retention by cottonseed and cottonseed products after fumigation of the seed with methyl bromide. By Wilson A. Reeves, Esler L. D'Aquin, and Griffith L. Phillips. Amer. Oil Chem. Soc. Jour. 24(6): 217-219. 1947.
- Inhibition of heating and lipolysis in seeds. By Marjorie Z. Condon, F. R. Andrews, Madeline G. Lambou, and A. M. Altschul. Science 105(2733): 525-527. 1947.
- A manometric method for the determination of peroxidase activity. Application to an investigation of the peroxidase of germinating cottonseed. By A. M. Altschul and M. L. Karon. Arch. Biochem. 13(2): 151-173. 1947.
- Solvent extraction of cottonseed and peanut oils. III. The effect of heat on cottonseed oil in miscellas from uncooked and cooked flaked meats. By E. L. D'Aquin, J. J. Spadaro, H.L.E. Vix, J. Pominski, L. J. Molaison, and E. F. Pollard. Oil Mill Gazetteer 51(10): 17-19. 1947.
- Solvent extraction of cottonseed and peanut oils. IV. Pilot plant batch extraction. By Joseph Pominski, L. J. Molaison, A. J. Crovetto, R. D. Westbrook, E. L. D'Aquin, and W. F. Guilbeau. Oil Mill Gazetteer 51(12): 33-39. 1947.
- Thermal properties of fats and oils. VI. Heat capacity, heats of fusion and transition and entropy of trilaurin, trimyristin, tripalmitin and tristearin. By Grace H. Charbonnet and W. S. Singleton. Amer. Oil Chem. Soc. Jour. 24(5): 140-142. 1947.

- Modification of vegetable oils. VI. The practical preparation of mono- and diglycerides. By R. O. Feuge and A. E. Bailey. Oil and Soap 23(8): 259-264. 1946.
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- Preparation of ash and spectrochemical determinations of traces of metallic elements in oils, fats, and related substances. By R. T. O'Connor, D. C. Heinzelman, and M. E. Jefferson. Amer. Oil Chem. Soc. Jour. 24(6): 185-189. 1947.
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- Oil from calabash seed. Crescentia cujete L. By B. A. Smith and F. G. Dollear. Amer. Oil Chem. Soc. Jour. 24(2): 52-54. 1947.
- Fiber from peanut protein. I. The production and properties of Sarelon. By A. L. Merrifield and A. F. Pomes. Textile Res. Jour. 16(8): 369-377. 1946.
- Protein-phytic acid relationship in peanuts and cottonseed. By Thomas D. Fontaine, Walter A. Pons, Jr., and George W. Irving, Jr. Jour. Biol. Chem. 164(3): 487-507. 1946.
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Automatic, normal-incidence solar exposure cabinet. By P. J. Fynn and K. S. Campbell. Textile Res. Jour. 17(3): 158-166. 1947.

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A collapsible metal stirrer. By J. David Reid and Edmund M. Buras, Jr. Science 104(2701): 326. 1946.

Eastern Regional Research Laboratory. (Chestnut Hill Station, Philadelphia 18, Pennsylvania.)

Oriented filaments of amylose and alkali amylose. By F. R. Senti and L. P. Witnauer. Amer. Chem. Soc. Jour. 68(11): 2407-2408. 1946.

Preparation of allyl starch. By E. A. Talley, R. M. Hamilton, J. H. Schwartz, C. A. Brown, and E. Yanovsky. AIC-140. (Processed.) 1947.

Mixed allyl ethers of starch. By R. M. Hamilton and E. Yanovsky. Indus. and Engin. Chem. 38(8): 864-866. 1946.

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Preparation and polymerization of acrylic esters of olefinic alcohols. By C. E. Rehberg and C. H. Fisher. Jour. Organic Chem. 12(2): 226-231. 1947.

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Allyl lactate. By Chessie E. Rehberg. Pages 4-6 of book entitled, "Organic Synthesis". Vol. 26. Pub. by John Wiley & Sons. New York. 1946.

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